10 am Discussion

February 18, 2020
Addiction Medicine
Victor Trevino, *Cannabinoids & microglia*
Katrina Schmidt, *Cannabis & bipolar disorder*

Neuropathology I
Jazmin Cole, *Alzheimer’s disease & vascular pathology*
Brenda Hughes, *In mice, but what about humans? Alzheimer’s disease treatments*
Connie Hanthaley, *Traumatic brain injury & physiology of diffuse axonal damage*

February 25, 2020
Neuropathology II
Dixie Davila, *Hormonal birth control & depression*
Nora Kearns, *Chronic, systemic, low-grade inflammation as a mechanism for depression*
Erin Swalwell, *Long-term effect of nootropics (smart drugs) on cognitive function*

Immunology
Celina Maldonado, *Crimean-Congo hemorrhagic fever infection in humans*
Govani Carlos-Cortes, *E coli O15:H7 pathogenesis*
Maggie Kerner, *Bacteriophages as antibiotic replacement*
Clara Rehmann, *Impact of bat immunology & physiology on their role as virus reservoirs*

March 3, 2020
Nutrition & Exercise Physiology
Elizabeth Wilson, *Artificial sweeteners & gut microbiome*
Jack Gardner, *Nutrient protein content, timing & muscle growth*
Spencer Kankel, *Occlusion in a clinical setting & with athletes*

Alternative Medicine, Biopsychology
Kylee Schickling, *Psilocybin mushrooms for end of life therapy*
Morgan Shoaff, *Physiological analysis of life vs death*
February 18, 2020

Neuropathology
Dakota Paulus, Connecting the gut & brain: Alzheimer’s disease & the microbiome
Jessica Danielle Geiger, Migraines & trigeminal nucleus caudalis pathophysiology
Nico Rondio, Eye fatigue from computers

Oncology & Molecular Biology
Ava Tajbakhsh, Hereditary breast cancer: germline BRCA mutations & preventative measures
Hannah Murawsky, MicroRNAs (miRNAs) & their role in cancer
Anna Kulawiec, Heritable stress & disease: epigenetics, DNA methylation & histones

Special Topics
Whitney Warth, Glucose effects on periodontal ligament osteocyte activity & bone formation
Elizabeth Smith, Oral contraceptives, kynurenine pathway & depression

February 25, 2020

Cardiovascular System & Pathology
Chris Garcia, Anabolic-androgenic steroids & cardiac dysfunction
Jordan Li, Treatment of pediatric atrial septal defects
Raj Shah, Umbilical cord blood banking
Nick Rogozinski, Ebola hemorrhagic fever

Nutrition I
Tara Delbakhsh, Vegan diet & high-performance athletes
Megan Lonhart, Vegan diet & cardiovascular health
Joseph Hwang, Plant-based diets effect on obesity
Nicholas Kaltenbach, Intermittent fasting & mechanisms for adipose mobilization

March 3, 2020

Nutrition II
Amanda McCarter, Sugar addiction
Alia Girvan, Effect of sugar consumption on neurotransmitter levels
Jenna Rudolph, In defense of carbohydrates: microbiota accessible carbohydrates
Lilian Chen, Toxic effects of arsenic in rice

Sports Medicine
Sarah Nakamoto, Non-contact anterior cruciate ligament (ACL) injuries in the female athlete
Emily Moore, Malignant hyperthermia
2 pm Discussion

February 18, 2020
Addiction Medicine
Sheridan Selby, Genetics of alcohol dependence
Keely Li, Caffeine & physiology effects
Jake West, Vaping & health concerns
Kunsel Lathsang, Vaping, nicotine salt e-liquid & coronary heart disease

Sleep Physiology
Camden Nemec, Slow-wave sleep & memory consolidation
Michelle Hernandez, Sleep deprivation & cognitive function

February 25, 2020
Neuropathology
Peter James, Parkinson’s disease & alpha-synuclein
Ally Carlile, Computational techniques in understanding retinal ganglion cells

Cardiovascular Pathology & Health
Alex Wind, Bicuspid aortic valve disorder (BAVD) & aortic aneurysm susceptibility
Jolie Jitto, Low-level light therapy, nitric oxide & microvascular health

March 3, 2020
Endocrinology, Immunology & Reproduction
Marie Bordes, Epigenetics & type II diabetes
Xuwei Gao, Antibiotics, organ & systems side effects
Xuntao Zhou, Ribociclib & Trastuzumab therapy for breast cancer
Hayley Sims, Physiological consequences of unnecessary Caesarean sections